IN THE CLAIMS

1.   (currently amended)   ~~An~~ In an end-to-end estimation method of the bandwidth available in a ~~client-server~~ connection of client and server established over a packet switching network, the improvements comprising:

computing in a first routine ~~to compute~~ samples of available bandwidth by taking into account ~~the~~ a flow of data packets received by the client ~~and~~ in one RTT time intervals during which the data packets are received if the routine is implemented at ~~the client~~ a receiver side · of the client, or by taking into account acknowledgments or report packets received by a sender side of the server ~~sender side and~~ in one RTT time intervals during which acknowledgment or report packets are received if the routine is implemented at the server sender side;

computing in a second routine ~~to compute~~ samples of available bandwidth as ~~the~~ a ratio of ~~the~~ an amount of received data packets over the time interval during which the data packets are received if the routine is implemented at the client receiver side, or as ~~the~~ a ratio of ~~the~~ an amount of the data packets acknowledged over the time interval during which the data packets are acknowledged if the routine is implemented at the server sender side; and

implementing in a third routine ~~that implements~~ a discrete time low-pass filter to obtain a filtered value of the samples of the available bandwidth.

2.   (currently amended)   The end-to-end bandwidth estimation method according to claim 1, wherein a sample of available bandwidth b_j at time t_j is computed as:

$$b_j = \frac{d_j}{t_j - t_{j-1}}$$

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